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IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

CHINESE POWER PLANTS

SHENSI PROVINCE

Declass Review by NIMA/DOD



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CIA/PIR 65122

DATE MAY 1966
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GROUP 1
Excluded from automatic
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CIA IMAGERY ANALYSIS DIVISION

CHINESE POWER PLANTS

SHENSI PROVINCE

- (A) Hsi-an Thermal Power Plant No. 2 (Pa-chiao)
- (B) Hsi-an Thermal Power Plant No. 3 (Hu-hsien)
- (C) Pao-chi Thermal Power Plant

REQUIREMENT

C-RR5-83,218

CIA/IAD PROJECT

30647-6

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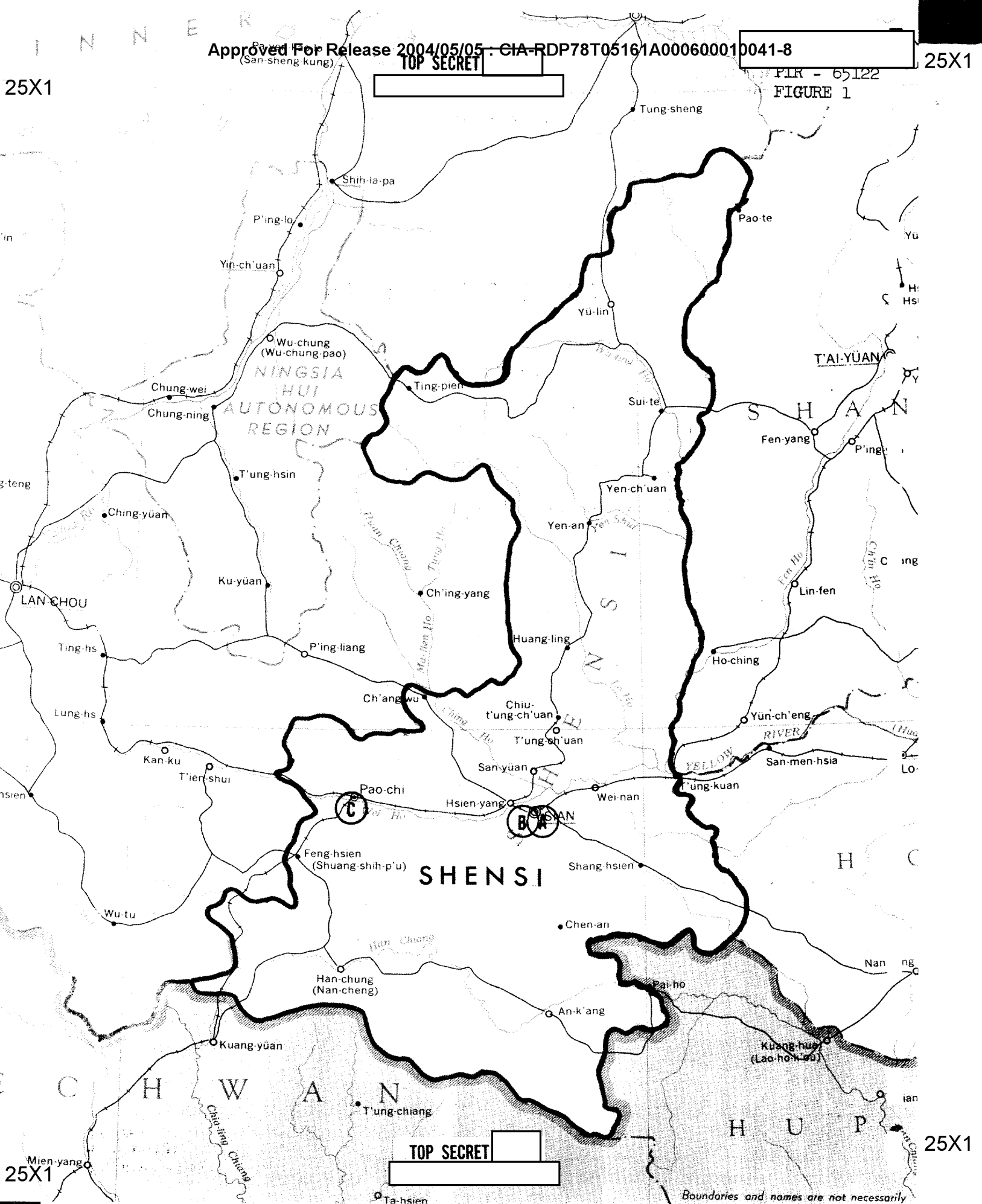
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FIGURE 1

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HSI-AN THERMAL POWER PLANT NO. 2 (PA-CHIAO)

NPIC NUMBER - 21-B

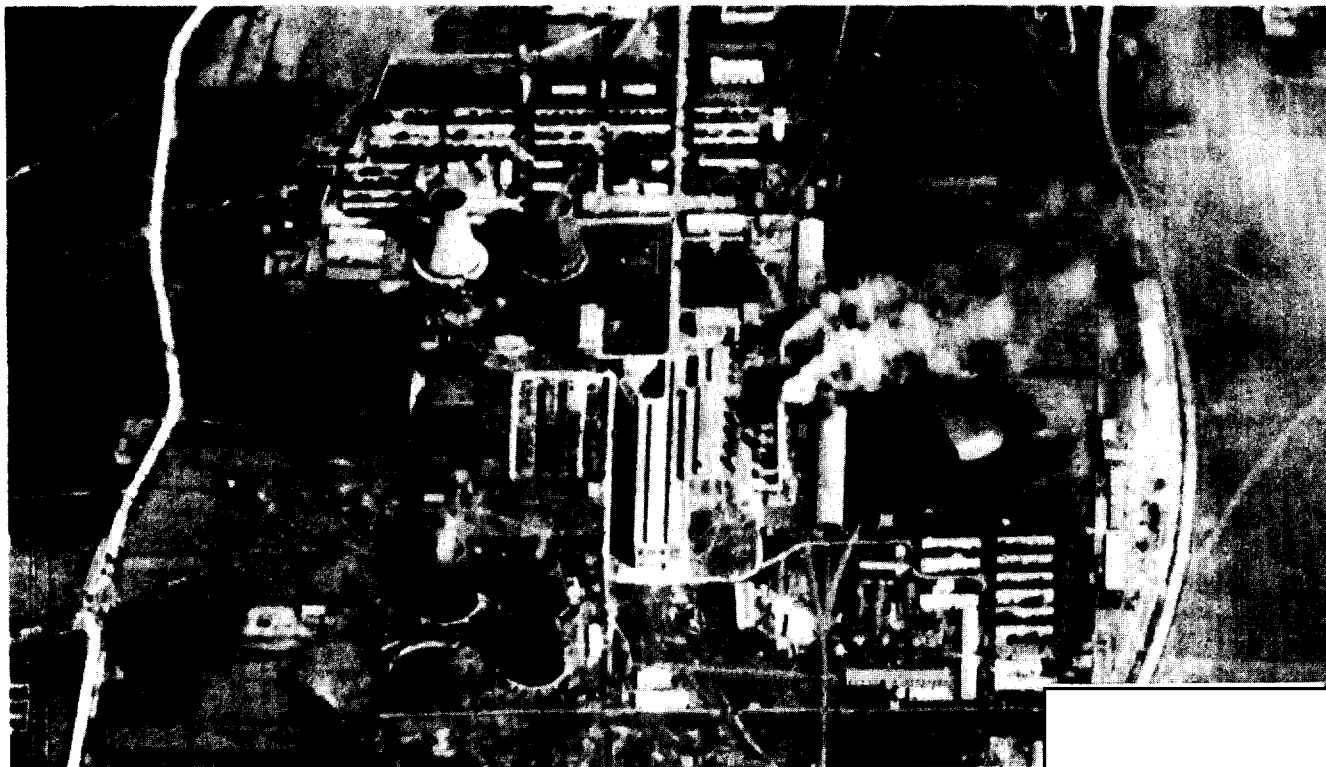
The Hsi-an Thermal Power Plant No. 2 is located east of Hsi-an 5.6 nm southwest of Lin-tung Airfield [] at coordinates 34 18 15N - 109 03 50E. The plant is rail-served, coal-operated and includes a large sub-station with a control house and five to seven probable transformers, two small oil storage tanks, four octagonal wooden cooling towers, one reinforced concrete cooling tower, and the usual coal conveying and processing facilities.

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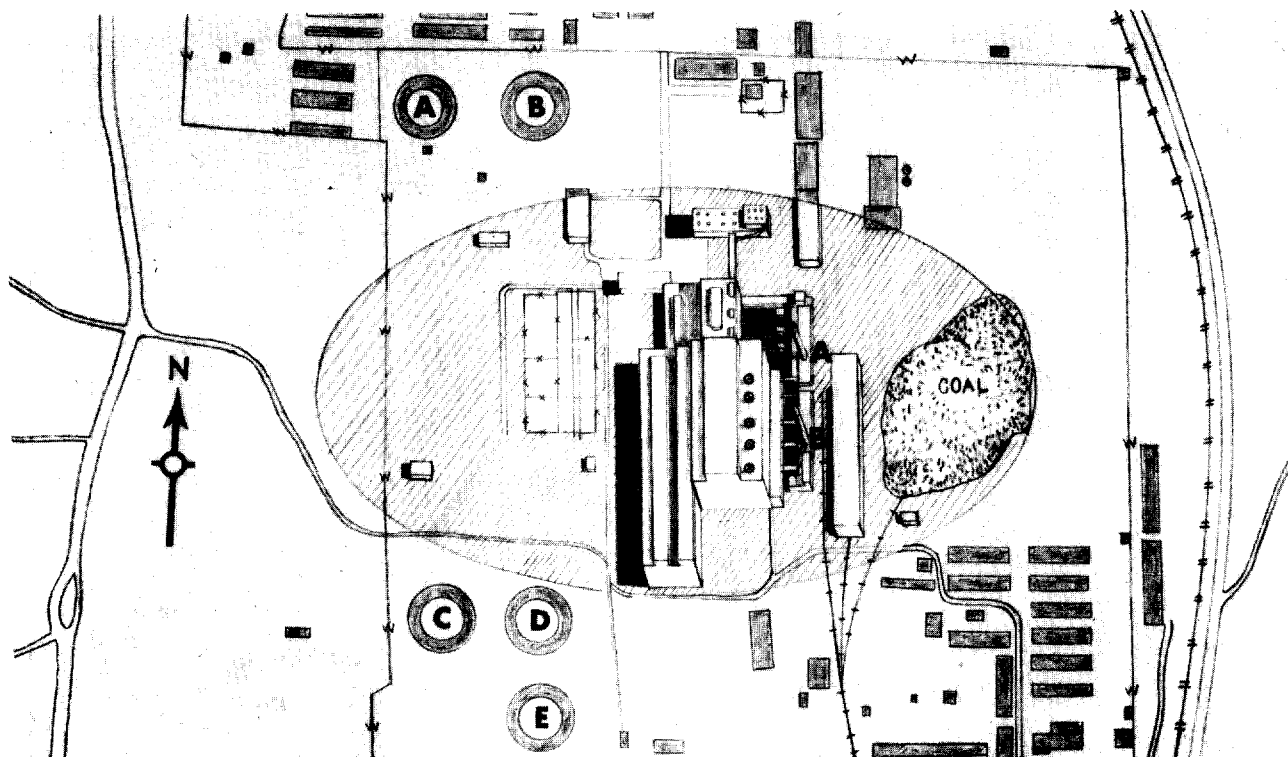
The boilerhouse consists of two distinct sections with a probable total of eight boiler units. The smaller section is equipped with three dust-catchers, and is connected to masonry stack A by three widely spaced flues. The large section contains five dust-catchers and is linked by four flues to stack B and by one flue to stack A.

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HSI-AN THERMAL POWER PLANT NO. 2 (PA-CHIAO)



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HSI-AN THERMAL POWER PLANT NO. 2 (PA-CHIAO)

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PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	Foundation for a sixth cooling tower is evident. No construction materials or other signs of current activity is apparent at the site.	Heavy smoke from stack B. Moderate smoke from stack A. Light vapor from cooling tower B.
	None apparent	Heavy smoke from stack B. Moderate smoke from stack A. Moderate vapor from cooling towers A, B, C, D, and E.
	None apparent	Moderate smoke from stack B. Light smoke from stack A. Light vapor from cooling towers A, B, C, and D.
	None apparent	Moderate smoke from stacks A and B. Light vapor from cooling tower D. Cooling tower E is hidden by smoke.
	None apparent	Heavy smoke from stacks A and B. Light vapor from cooling tower E. Smoke precludes further analysis.

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HSI-AN THERMAL POWER PLANT NO. 2 (PA-CHIAO)

25X1

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None apparent	Moderate smoke from stack B. Light smoke from stack A. Moderate vapor from cooling towers A, B, C, D, and E.
	None apparent	Heavy smoke from stack A. Moderate smoke from stack B. Light vapor from cooling towers A, B, D, and E. Wisp of vapor from cooling tower C.

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HSI-AN THERMAL POWER PLANT NO. 3 (HU-HSIEN)

NFIC NUMBER - 5-A

The Hsi-an Thermal Power Plant No. 3 is located 7.9 nm south of Hu-hsien Airfield at coordinates 34 04 40N - 108 36 30E. The facility is rail served, coal-operated and consists of four large natural draft cooling towers (probably of reinforced concrete), sub-station with control house and six or seven probable transformers, six small oil storage tanks, and extensive coal conveying and processing facilities.

The boilerhouse is equipped with five sets of dust-catchers and is connected to masonry stack A by five sets of flues.

The generator hall is linked to the control house and sub-station by three sets of three-cable power leads; two leads connect to the control house and one to an adjacent transformer.

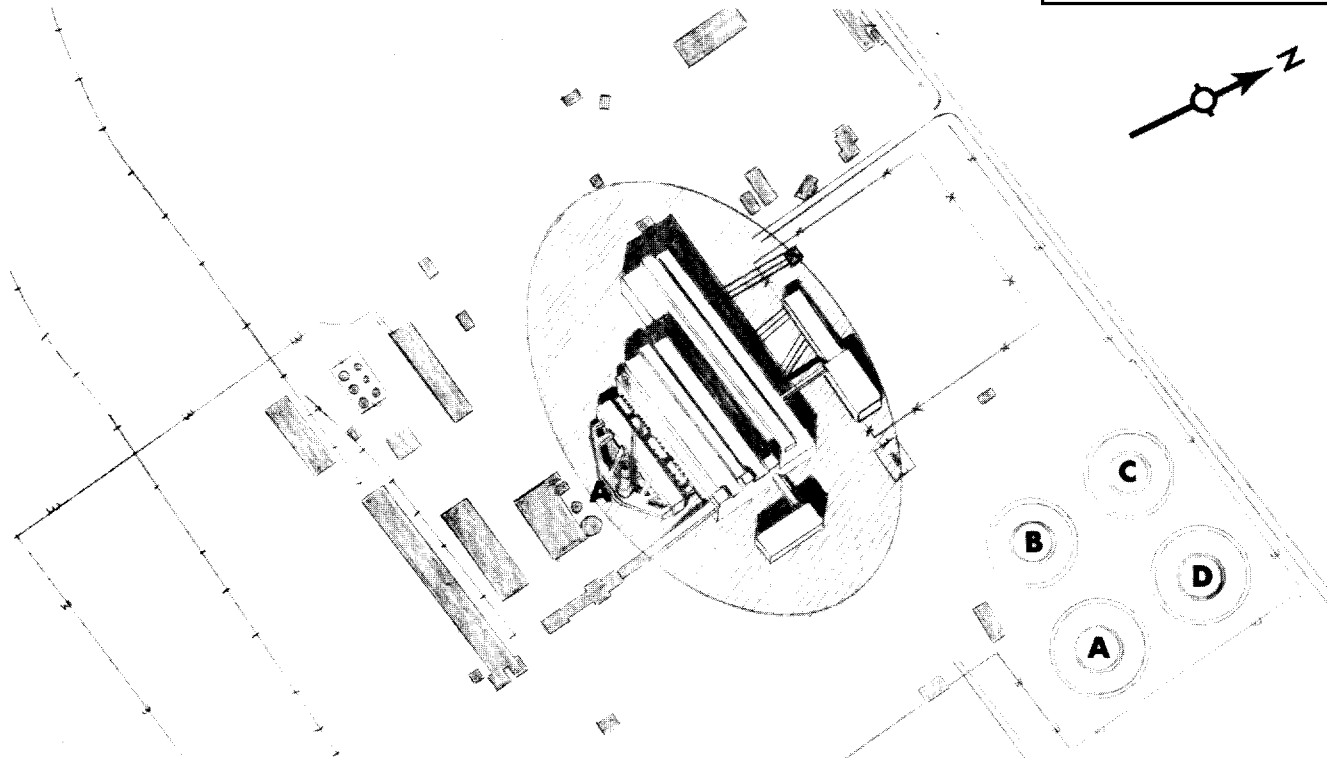
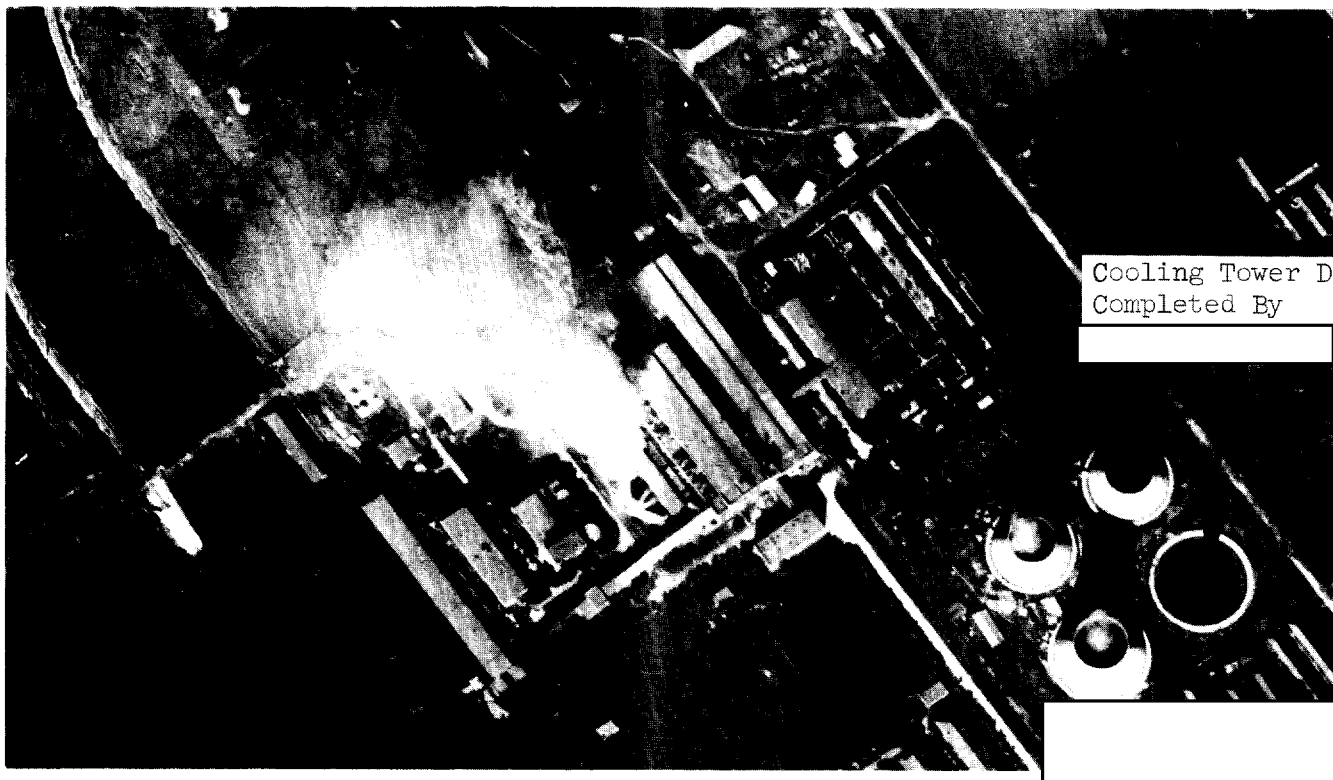
New construction from 1963 through 1965 consisted of the erection of cooling tower D.

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HSI-AN THERMAL POWER PLANT NO. 3 (HU-HSIEN)



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HSI-AN THERMAL POWER PLANT NO. 3 (HU-HSIEN)

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PHOTO DATA

CONSTRUCTION ACTIVITY

LEVEL OF PRODUCTION

Scarring for a fourth cooling tower (D) is evident.

Heavy smoke from stack A.
Light vapor from cooling towers A, B, and C.

Poor quality photography precludes detailed analysis; however, the foundations for cooling tower D are in place - no current activity is apparent.

Moderate smoke from stack A.
Moderate vapor from cooling towers A, B, and C.

No apparent change from

Moderate smoke from stack A.
Light vapor from cooling towers A and B.

None

Moderate smoke from stack A.
Light vapor from cooling towers A, B, and C.

None

Heavy smoke from stack A.
Possible light vapor from cooling towers A, B, and C.

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HSI-AN THERMAL POWER PLANT NO. 3 (HU-HSIEN)

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PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Heavy smoke from stack A. Heavy vapor from cooling tower A. Moderate vapor from cooling towers B and C.
	None	Heavy smoke from stack A. Light vapor from cooling towers A, B, and C.
	None	Moderate smoke from stack A. Very light vapor from cooling towers A, B, and C.
	Cooling tower D is erected and appears operable.	Heavy smoke from stack A. Moderate vapor from cooling towers A, B, and C.
	None	Moderate smoke from stack A. Light vapor from cooling towers A, B, and C.

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PAO-CHI THERMAL POWER PLANT

NPIC NUMBER - 9-1

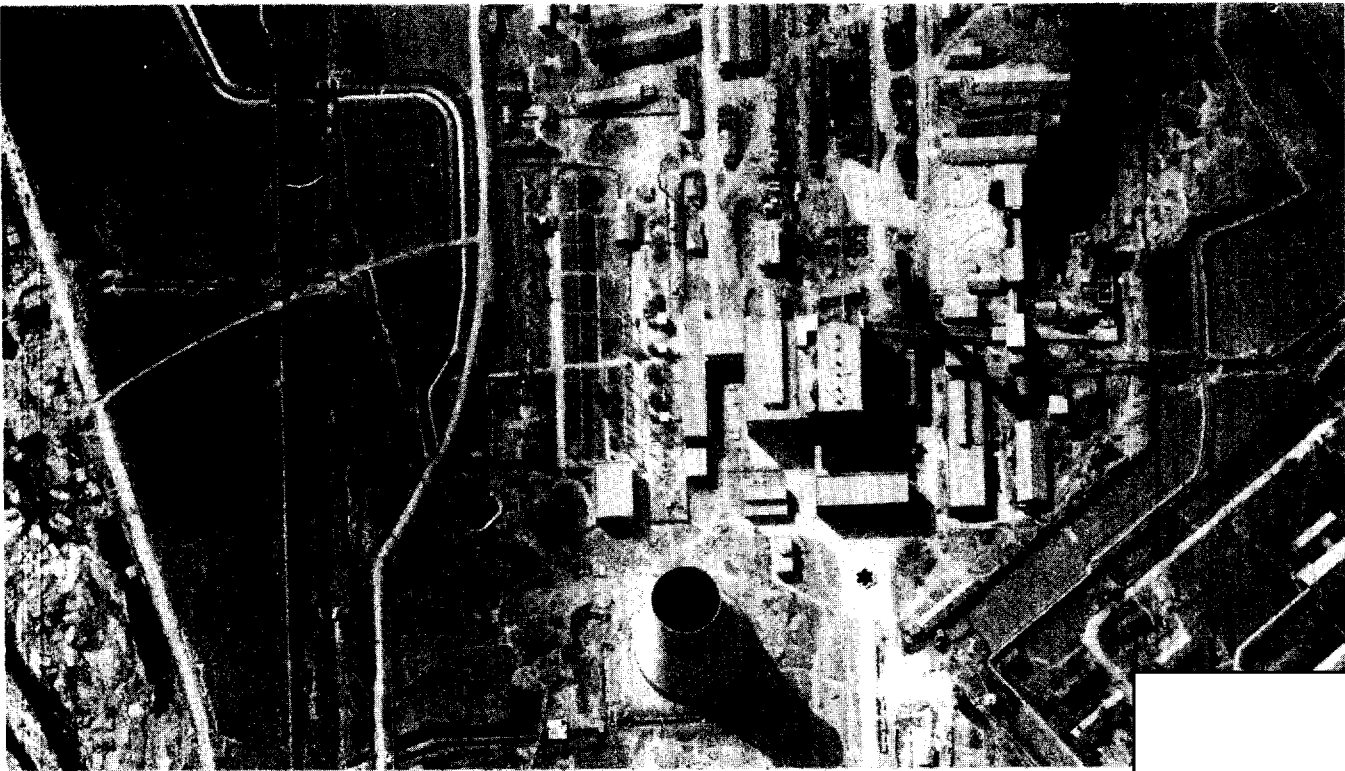
The Pao-chi Thermal Power Plant is located on the west bank of the Ching-Chiang Ho (River) 1.8 nm southwest of Pao-chi at coordinates 34 21 30N - 107 06 50E. The facility is rail served, coal-operated and includes one natural draft cooling tower, a control house, sub-station with four transformers and possibly three others, coal processing and conveying facilities, and numerous storage/support buildings.

The powerhouse appears designed to eventually house six boiler-generator sections; at present, two sections are erected and some footings and earth scarring for additional units are in evidence. The boilerhouse is equipped with two sets of dust-catchers and is connected by two single flues to masonry stack A. The generator hall is linked to the control house by one set of three-cable power leads and also by an unusually wide structure or passageway which appears to be suspended as are the usual galleries.

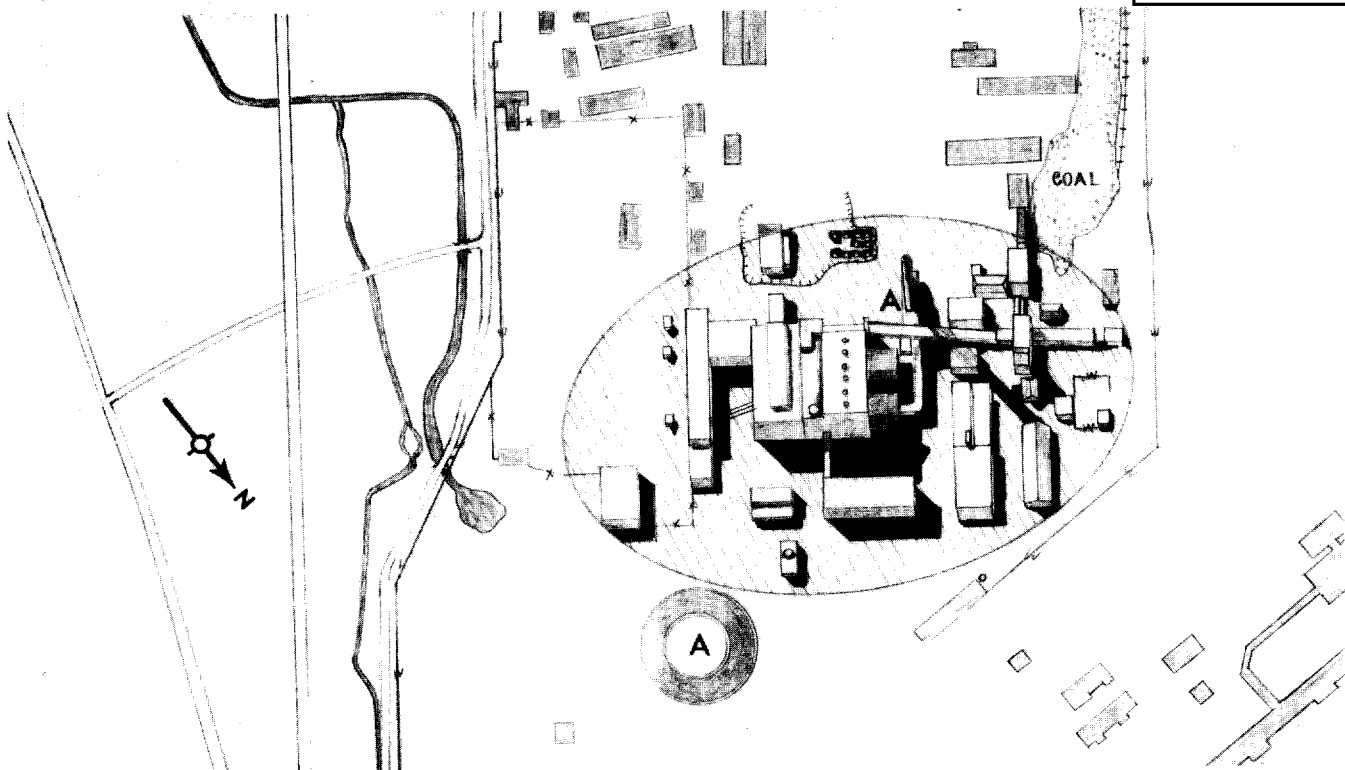
No construction activity occurred from 1962 through 1965.

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PAO-CHI THERMAL POWER PLANT



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PAO-CHI THERMAL POWER PLANT

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PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	Footings and scarring for additions to the powerhouse are in evidence. No current activity is apparent.	No smoke/vapor observed.
	None apparent	No smoke/vapor observed.
	None apparent	No smoke/vapor observed.
	None apparent	No smoke/vapor observed.
	None apparent	Heavy smoke from stack A. Light vapor from cooling tower A.
	None	Heavy smoke from stack A precludes analysis of cooling tower A activity.

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PAO-CHI THERMAL POWER PLANT

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PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Light smoke from stack A. Possible very light vapor from cooling tower A.
	None	Moderate smoke from stack A. Light vapor from cooling tower A.
	None	Moderate smoke from stack A. Moderate vapor from cooling tower A.

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